

How to Div Grad Kink and Curl Electrons Into Generating Unwanted Radiated Emissions

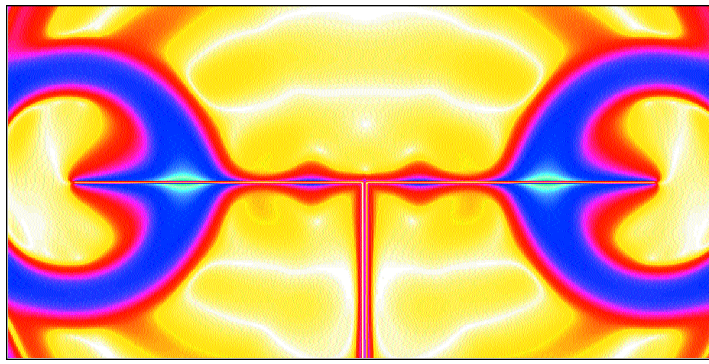


Figure 1: Radiation from the ends of a dipole antenna

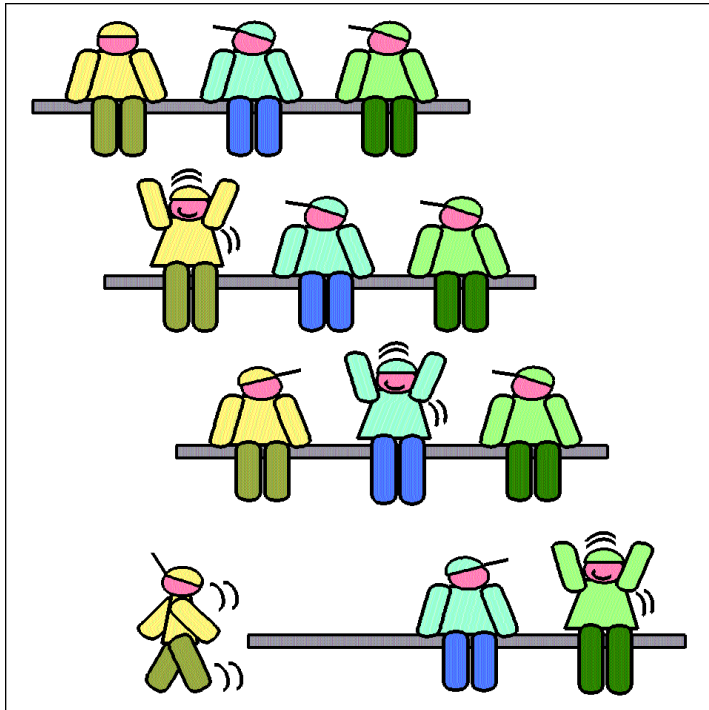


Figure 2: Spectator Wave Motion

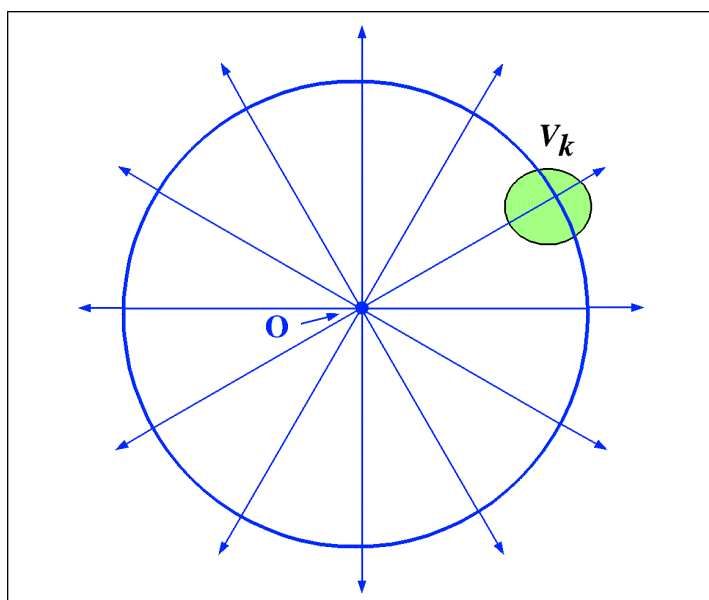


Figure 3: Electric lines of flux around a point charge

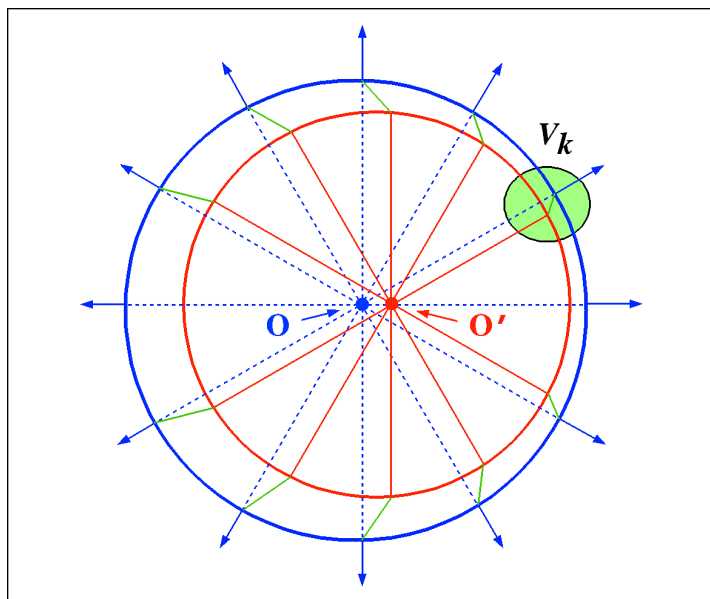


Figure 4: Field line kink due to accelerating charge

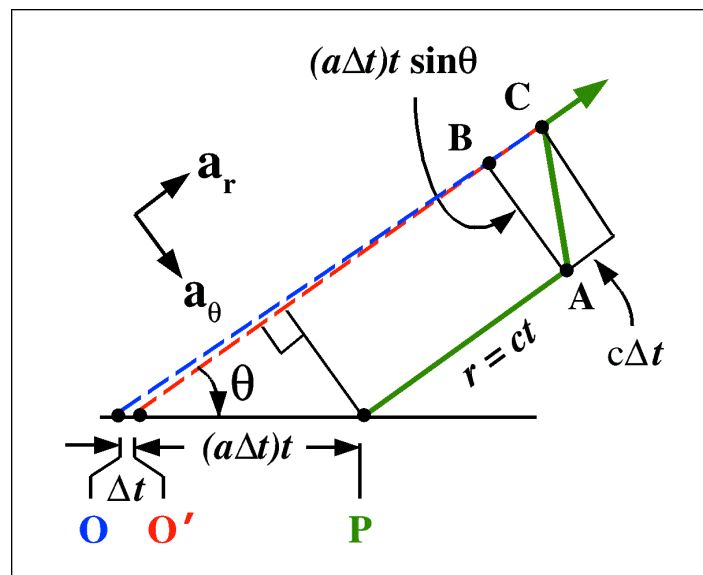


Figure 5: Kink detail

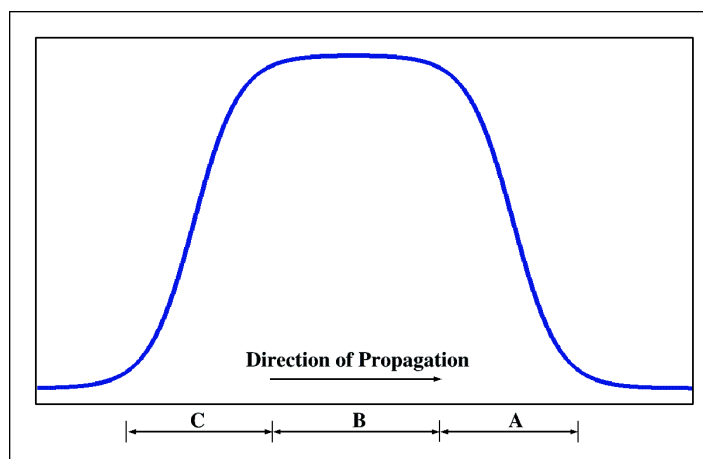


Figure 6: A propagating digital pulse

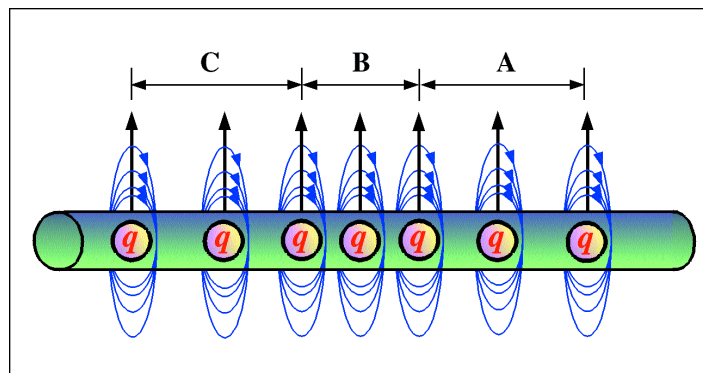


Figure 7: E and H fields around a digital pulse

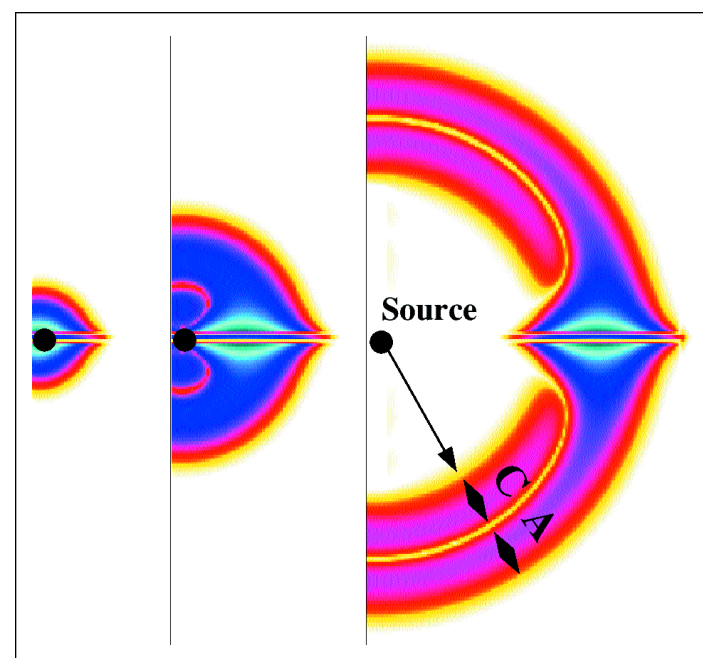


Figure 8: Propagation of a digital pulse kink-pair

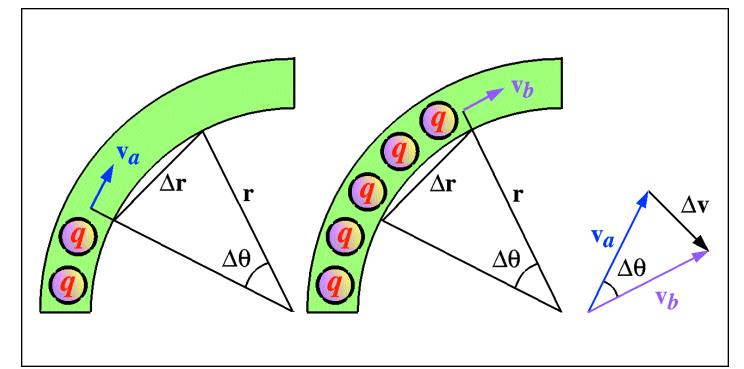


Figure 9: Propagation around a conductor bend

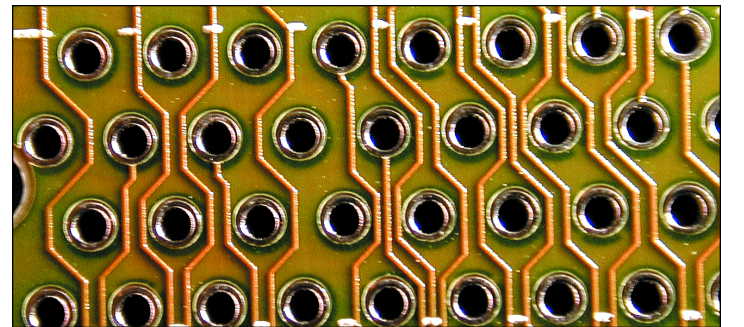


Figure 10: 45 degree trace routing through via fields

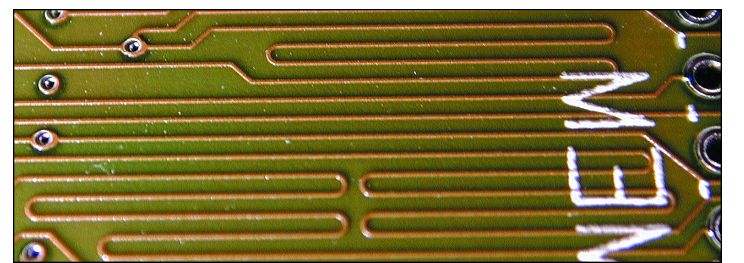


Figure 11: Serpentine delay lines

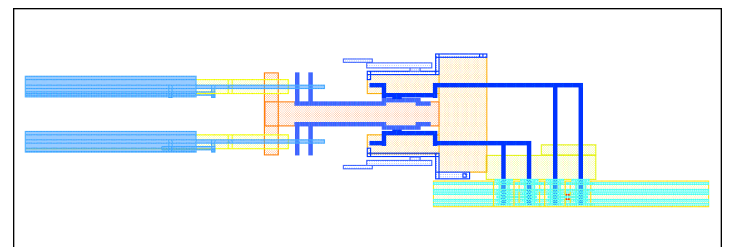


Figure 12: Cross section of card edge connector

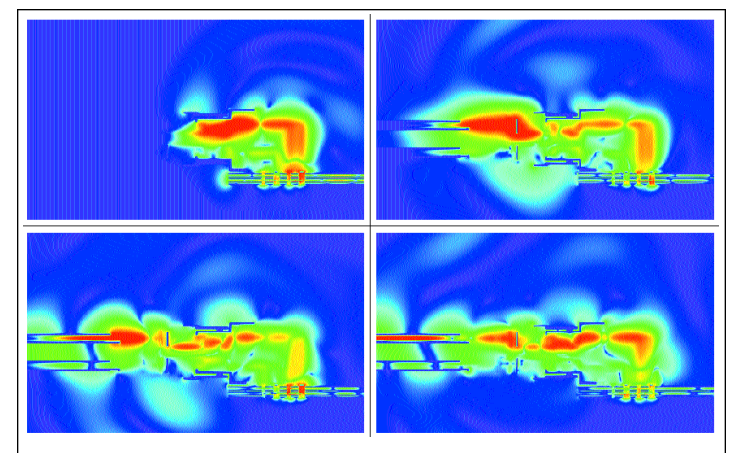


Figure 13: Simulation of PCB edge connector